

Index to 1985 Articles

Accidents.....	93	Finfish.....	95	Pollution.....	97
Aquaculture.....	93	Foreign.....	95	Processing.....	98
Boatbuilding.....	93	Gear & Methods.....	96	Safety/Survival.....	98
Books.....	93	Robert L. Kocher.....	96	Salmon.....	98
Clams.....	94	Legislation.....	97	Shellfish.....	98
Crabs.....	94	Lobsters.....	97	Shrimp.....	98
Education.....	94	Miscellaneous.....	97	YB Yearbook	
Electronics.....	94	People.....	97	West Coast Focus	
Engines.....	94				

ACCIDENTS

	ISSUE	PG.
South Korean freighter sinks 65' Calif. dragger.....	Jan.	14
Clear thinking enabled three men to survive capsizing.....	Jan.	26
Storm leaves five dead; Canadian forecasting criticized.....	Jan.	7†
Aleutian Bounty lost, empty raft found.....	Feb.	14
Costly search yields no traces of Amazing Grace.....	Feb.	14
U.S. liable for deaths of three fishermen (Fair Wind).....	March	2
MAREP needs greater public support.....	March	3
Final hearing on 'A' boat sinkings (Altair, Americas).....	March	8†
Sinking claims Virginia tongers' lives (High Hopes).....	April	18
'A' boat losses pinned on lack of stability.....	Oct.	8
What loss of the 'A' boats has taught.....	Nov.	4
Winch maker Hathaway loses product-liability suit.....	Nov.	11

AQUACULTURE

Teaching salmon survival ABCs could boost returns.....	March	7†
Pond-reared imports are salt in Gulf shrimpers' wounds.....	YB	32
Northwest fishermen skittish as salmon farming grows.....	YB	45
Salmon farms run gamut from big to small.....	YB	46
Can commercial fisheries and mariculture coexist?.....	May	34
State prison goes for 'pen'-raised salmon.....	May	1†

BOATBUILDING (Aluminum)

East meets West in innovative 44-footer.....	May	50
Oregon gillnetter Lee Clark and the Blackheart.....	July	38
The purse boat: workhorse of the menhaden business.....	Aug.	52
Rozema Boats builds Bristol Bay gillnetter Thunder Bay.....	Sept.	42
For aluminum work boats, Southeast fishermen have Wrangell.....	Nov.	18
Sailing fish boats: George Olafson opts for 44-footer.....	Dec.	34

BOATBUILDING (Fiberglass)

Installing balsa core in a lobster boat hull.....	Feb.	54
Meet a new breed of boatbuilder — the hull finisher.....	March	47
Hull finishers tackle job with a variety of techniques.....	April	54
Innovation, not tradition, is designer Blount's byword.....	YB	82
Fiberglass production boats began with Carl Beetle.....	YB	86
Lobster boats are not just for New England.....	May	52
Desco shrimper Lady Margaret undergoes surgery.....	May	56
Vacuum-bagged panels.....	May	73
Boston Whalers now strut their stuff for a living.....	July	26
Morro Bay lays claim to the ultimate patrol boat.....	July	30
Electron heat gun prepares hull surfaces.....	July	49

Boatbuilders Ltd. builds Cape Islander in cored fiberglass.....	Sept.	23
Billiot Boat Works: specialists in Lafitte skiffs.....	Oct.	38
Steiger Craft 25 is a solid performer.....	Oct.	42

BOATBUILDING (John Gardner)

Designer Bill Oehrle favors steel for a 32' stern trawler.....	Jan.	48
V-bottom launch will prove to be an able work boat.....	March	54
Ferrocement never got the chance to prove itself.....	March	56
Naval architecture loses a giant: Walter J. McInnis.....	April	66
Building half models.....	YB	102
Abundance of wooden-boat building workshops.....	June	51
Capable Yankee skiff even adapts to power.....	July	44
Building the Yankee skiff.....	Aug.	60
Strip planking for the Yankee skiff.....	Sept.	50
Boatbuilders get bad news, good advice about job hazards.....	Oct.	48
25' Gardner design lends itself to steel construction.....	Nov.	68
Completing the strip-built Yankee skiff.....	Nov.	76
Tale of fishing shows ability of local catboat.....	Nov.	85
Replacement for penta may pose similar hazards.....	Dec.	42

BOATBUILDING (Steel)

Seabank Autoliner Jessica B slides down the ways.....	Jan.	38
Ocean Enterprise is launched.....	April	30
A boat for all seasons: American No. 1.....	YB	72
Early side trawlers changed U.S. fisheries forever.....	YB	90
Shaghellion: a Bill Oehrle-style inshore fishing boat.....	May	40
New Bedford's new scalloper/trawler Osprey.....	June	40
The 302' Golden Alaska to begin another new life.....	Aug.	57
Two 115' catcher boats: the Arctic I and II.....	Nov.	66
Sailing fish boats: Roberts 53.....	Dec.	35

BOATBUILDING (Wood)

Fishing under sail on Galveston Bay.....	Jan.	44
Fred Erickson rebuilds aged but noble Bothnia.....	Feb.	52
Harkers Islander Alex Willis and strip-planked boats.....	March	32
J.O. Brown still building wooden boats.....	April	52
From drake tails to potpie stems in the Chesapeake.....	YB	78
Three fish boat designs from Landing Boatshop students.....	YB	96
Boothbay skiff builder Neal Murphy preserves tradition.....	May	26
Double-ender (Snug 28) attracts commercial fishermen.....	May	64
Calkins' Bartender: the sport boat that went commercial.....	July	28
The Columbia is one gem of a wooden scalloper.....	Aug.	50
Alabama boatbuilder Nathaniel Zirlott.....	Nov.	83

BOATBUILDING (Misc.)

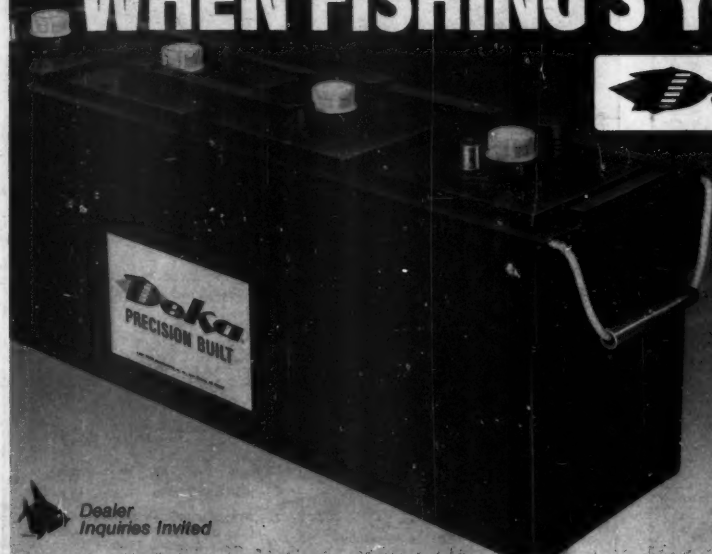
Sea Gleaner: Resourcefulness in trawl conversion.....	March	44
The 1984 boatbuilding review.....	YB	16
A bulbous bow gives a vessel several advantages.....	YB	99
Oregon builder tries bulbous bow.....	Aug.	55
Unassuming Rockland Boat shop captures the past.....	Aug.	58

BOOKS

Under Alaskan Seas: The Shallow Water Marine Invertebrates.....	Jan.	55
Island Journal.....	Jan.	55
Shiphandling for the Mariner.....	Jan.	55

WHEN FISHING'S YOUR BUSINESS

MARINE BATTERIES



Deka's Precision Built batteries are built to handle tough demands of a long commercial season. Power-packed with up to 100 amp-hours and 20-4 amp-hours of capacity (12 V. 8 hr. rate).

Deka offers the commercial fisherman the broadest line of marine batteries in the industry. There's a size to fit your needs, exactly. Seven sizes range from 18 1/2" x 27 1/2" long. Built with heavy duty plates and premium glass mat separators for long, active life. A rugged commercial case reduces damaging vibration, extends service life.

And if you're fishing for fun, try one of Deka's trolling motor batteries. They deliver steady, reliable power for long, quiet hours of fishing. A great catch.

Deka Marine Batteries Built to Serve the Commercial Fisherman.

EAST PENN manufacturing co., inc.

Lyon Station, PA 19635

Phone: (215) 693-2361



Dealer Inquiries Invited

Japanese outboard makers refine 1984 motors.....	Jan.	32
Added muscle gives the F/V Rover's life new meaning.....	Feb.	32
Marinizing can save you money.....	Feb.	34
U.S. outboards: what's new for '85.....	Feb.	38
Be wary of the horsepower rating game.....	Feb.	69
Installing an outboard motor can be complex.....	March	58

SHORE MARINE electronics

3075 Emmons Avenue, Brooklyn, New York 11235

Store hours 10:00 A.M. - 6:00 P.M. Tuesday through Saturday
Closed Sunday and Monday; Serv. No Credit Card Accepted, C.O.D. or Payroll Only

For information or Technical Advice: 718-934-6384

Prices Do Not Include Shipping and Handling.
Prices subject to change prior to publication.



**DELTA
MARINE
INDUSTRIES,
INC.**

1608 South 96th
Seattle, WA 98148
(206) 763-2383
Telex: 32-8044

Builders of superior
pilot, work, charter,
fishing and custom vessels
up to 120'. Call for
more information:
(206) 763-2383.

Water in your gas tank can cause serious problems.....	April	56
Noise aboard your boat.....	May	62
Alaska Diesel Electric offers 400-h.p. Lugger.....	July	48
BMW retreats from U.S. marine market.....	July	51
Rudders and shafts need regular maintenance.....	Oct.	44

FINFISH (East Coast)

Butterfish venture killed in Long Island.....	Jan.	23
NFI gives butterfish joint venture the ax.....	Feb.	12
Florida longliner Lucky Lady combines business, pleasure.....	Feb.	16
New England's groundfish stocks are in big trouble.....	Feb.	24
Great white shark sets record for Carolinas.....	March	28
Sting operation hits illegal bass sales.....	April	10
N.E. fishermen lambaste proposed groundfish plan.....	April	12
Decline and debate pervade New England groundfishery.....	YB	27
Health of groundfish stocks: opinions by Jake Dykstra, Allen Peterson, Richard McLellan.....	YB	28
Menhaden: soybean of the sea.....	YB	38
Bluefin fishery made its mark on 1984.....	June	8
N.Y. striped bass ban: more politics than PCBs.....	June	22
Lou Puskas still makes money longlining tilefish.....	June	26
East Coast awaits factory trawlers.....	July	2
N.E. fishermen hurt by Georges Bank decision.....	July	10
Squabbling over closures threatens swordfish plan.....	Aug.	5
Three Gloucester boats hunt dogfish.....	Sept.	2
High-stakes fishing on the Grand Banks.....	Sept.	12
Weir fishing in Maine.....	Nov.	22
Herring JV provides U.S. seiners with ready market.....	Dec.	12
Chesapeake striped stocks remain in critical condition.....	Dec.	14
Commission boosts minimum bass size 9".....	Dec.	14

FINFISH (Gulf Coast)

Fla. halts harvest of kingfish in state waters.....	Jan.	14
Grouper fishing with Laurilee Thompson.....	March	34
Menhaden: soybean of the sea.....	YB	38
Florida tightens rules on mackerel, redfish, sea trout.....	Sept.	39
Gulf king mackerel stocks plummet.....	Nov.	27

FINFISH (West Coast)

Great white sharks mean extra dough.....	Jan.	41
California's netters lose more ground to otters.....	April	8
Halibut fishing looks tamer in 1985.....	April	41
Billion-dollar bottomfish dream.....	YB	22
Blackcod industry weighs successes against problems.....	YB	48
Strength of rockfish stocks worries some Alaskans.....	May	2
Cod season shows little promise for Puget set-netter.....	May	31
1985 herring season seems stable.....	May	41
Blackcod and Fish and Chips scrutinized by council.....	June	39
Sitka's wild and woolly herring harvest.....	Aug.	2
Blackcod pot phase-out requested.....	Aug.	11
Healthy season in store for albacore fleet.....	Sept.	11
Interest in sharks spawns conference on West Coast.....	Sept.	41
Megamouth.....	Nov.	35
Hake: the hope persists.....	Nov.	101
Excalibur, Linda Jeanne prove their worth in JVs.....	Nov.	161
Pollock shortage off Alaska.....	Dec.	11

FOREIGN

Georges Bank decision upsets Canadian fishermen.....	Jan.	2
U.S. and Japan reach uneasy whaling agreement.....	Jan.	14
Japanese allocation slashed 75% for enforcement evasion.....	Jan.	22
ITC study may lead to trade action against Canada.....	Feb.	2
Negotiators agree on draft of U.S./Canada salmon treaty.....	Feb.	5
British Columbians can hardly believe a treaty is near.....	Feb.	5
Loligo JV needs big U.S. boats.....	Feb.	13
North Pacific council proposes zero TALFF in Gulf of Alaska.....	Feb.	19
Joint ventures continue to grow off Alaska.....	Feb.	51
Japan's high-seas gillnet fleet clobbers U.S. salmon.....	March	5
Northeast fishing industry advised to seek duties.....	April	13
United States puts big squeeze on whaling.....	June	16
The phase-out fracas is heating up.....	Sept.	10
U.S. fishermen feel effects of Canadian industry.....	Sept.	20
Fishery management dealt a blow in P.E.I. snow crab case.....	Sept.	22
Trawler charged with catch and crew violations.....	Sept.	41
ITC vote favors continuation of subsidy probe.....	Nov.	10
Spain to harden EEC line on fisheries.....	Nov.	18
John Fraser 'canned' in tainted tuna scandal.....	Dec.	5



The best catch of all.

Subscribe today!

TO ORDER BY PHONE, CALL TOLL-FREE

1-800-341-1522

In Maine, Alaska and Hawaii, call collect (207) 236-2896

OR MAIL TO: NATIONAL FISHERMAN

Subscription Service Department
P.O. Box 929, Farmingdale, NY 11737

☐ **YES!** I would like to subscribe to NATIONAL FISHERMAN for:

- ☐ One year (13 issues) at \$19.95
- ☐ Two years (26 issues) at \$38.00
- ☐ Three years (39 issues) at \$54.00

Please allow up to eight weeks for delivery of your first copy.
Outside U.S., add \$8.00 postage per year. Payment for non-U.S. subscriptions
must be by International Money Order or check drawn on U.S. bank.
Airmail rates available upon request.

☐ My payment is enclosed. ☐ Bill me.

Please indicate your interest in marine activity. Check only one box.

- 1. ☐ Boat owner ☐ Boat operator ☐ Fisherman
- 2. ☐ Fishing company ☐ Processor ☐ Packer
- 3. ☐ Fish buyer ☐ Broker ☐ Distributor
- 4. ☐ Marine dealer ☐ Boatbuilder ☐ Naval architect ☐ Marine surveyor
- ☐ Marine broker
- 5. ☐ Fisheries supply manufacturer ☐ Equipment manufacturer
- 6. ☐ Government agency or personnel
- 7. ☐ Research organization ☐ Association ☐ School ☐ Library

Name _____

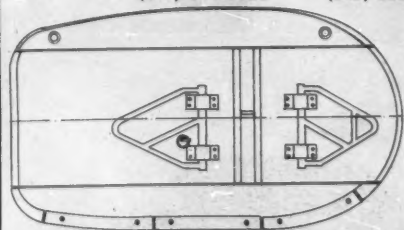
Address _____

City, State _____ Zip _____

YB/86

EURO FISHING GEAR (U.S.A.) LTD.

2 MIDDLE STREET • P.O. Box 124 • FAIRHAVEN, MASSACHUSETTS 02719
(617) 994-3020 (617) 999-3540



ALL

STEEL

TRAWL DOORS

BETTER OPENING OF THE NET
LESS FUEL FOR SAME SPEED
HARD WEARING MANGANESE SHOES
EASY REMOVABLE SHOES
LONGER LIFE



GEAR AND METHODS (Duncan Amos)

Echo sounders are up against a formidable task.....	Jan.	41
Efficient new trawl doors require careful rigging.....	Feb.	58
Preserving the catch is key to profits.....	March	52
Advanced echo sounders call for sharp interpretation.....	April	40
Gillnetting's low cost enhances its popularity.....	May	58
Gillnetting grab bag offers pointers.....	June	46
Tips on gearing up for ceiling.....	July	40
A rundown of trawl doors.....	Aug.	24
The importance of targeted trawling.....	Sept.	48
Propulsion train more important as towing speeds rise.....	Oct.	40
Proper icing and freezing practices.....	Nov.	72
Cod end twine shrinkage.....	Dec.	38

GEAR AND METHODS (Other)

Survival suit features improved maneuverability.....	Jan.	50
Stability alarm aids seamanship.....	Jan.	51
MarcoMatic longline system.....	Feb.	48
Purifier filtration system.....	Feb.	68

NEW! Digital depth, speed and temperature indicator.



- Accurate, multifunction instrument
- Displays:
 - DEPTH, feet, meters, fathoms
 - SPEED, knots or miles per hour
 - SURFACE WATER TEMP., °C or °F
 - TRIP DISTANCE
 - LOG DISTANCE
 - ELAPSED TIME
 - COUNT-DOWN TIME
- 4 preset alarms for shallow water depth, deep depth, speed variation, count-down time signals
- Extra large, back-lit, dual LCD
- Large keyboard gives quick access to all functions, even in rough waters
- Unmatched 2-year limited warranty
- Measures 7"(W)x4.8"(H)x1.8"(D)

For more information, contact:
 RAYTHEON MARINE COMPANY
 878 Island Pond Road
 Manchester, NH 03103 USA
 (603) 668-1600 Telex 943459

Raytheon



Radon boat building inc.
 At D.R. Radon Boat Building
 practical experience is our best teacher

The Radon family, seasoned by years of experience in the commercial fishing and diving industries, have tested and proven the modern concepts which make the Radon boat what it is today; a commercial work boat built for success. Donald R. Radon, president and founder of D.R. Radon Boat Building, is one of the original family builders and designers.

D.R. Radon Boat Building builds custom boats in the following sizes: 21', 23', 26', 27', 32' and 34'. A larger one-off design is available only through custom order. Radons are built with as many deck and cabin layouts as there are fishermen to use them; however, the proven hull design is never altered. We build a limited number of custom boats each year in order to insure our high quality workmanship.

COME TO THE EXPERTS AT RADON
 (805) 683-2888

Radon boat building
 67 Depot Rd. Goleta, CA 93117

Virginia's pound nets are becoming history.....	March	24
Bridgemaster portable helm.....	March	62
Abrasion resistant marine bearings.....	March	63
Sea-Slide helps hulls through the water.....	April	73
Pot fishing fuels debate over gear conflicts, quality.....	YB	49
Scottish seining means success for the Lucky Penny.....	YB	52
Skipper of automated longliner mothballs his Mustad.....	YB	56
Johnstone Strait salmon seiners do things differently.....	May	2
Jigging 50 miles off the Cape.....	May	33
Original patent tongs discovered.....	May	54
Fishing with Seabank autoliner Jessica B.....	June	2
Monofilament gear catches on with European longliners.....	June	30
Tubs simplify lives for Alaska longliners.....	June	32
Rappahannock makes copper paint for watermen.....	June	54
Haywire Klumper: a nice addition to your toolbox.....	June	55
Reefs and FADS: new tools for bigger catches?.....	July	14
Maintenance of a clam dredge.....	Aug.	21
Triumphs of technology: tongue-in-cheek gear.....	Aug.	23
The new Supervet trawl doors.....	Aug.	27
Shrimp trawls studied in full-color movie.....	Aug.	29
Al Hawver provides tips on longline deck gear.....	Aug.	34
'Autotrawl' gear catches fancy of Northwest fleet.....	Aug.	40
Anti-icing formula Vellox 140.....	Aug.	71
Compound-X antifoulant additive.....	Sept.	32
Lobster pot hauler has hydraulic boom.....	Sept.	33
Gillnetters may benefit from hydraulic propulsion.....	Oct.	34
Specially treated line holds up under saltwater use.....	Oct.	35
Carlson's Glofloat gets a patent.....	Oct.	36
Stronger outriggers make sense for shrimpers.....	Nov.	75
Improved marine steering system.....	Dec.	30
A simple, economical 'low-tech' steam box.....	Dec.	31

ROBERT L. KOCHER

Controlling heavy loads with counterbalance valve.....	Jan.	34
Don't choose the wrong propeller.....	Feb.	62
Calculating hydraulic-hose size can be tricky.....	April	61
A boat is a hostile environment for electrical wiring.....	June	48
Basic principles take the mystery out of electricity.....	June	48
Don't overlook proper electrical grounding.....	July	23
Stray current may cause many electrical woes.....	Aug.	66
Circuit breakers protect people and equipment.....	Sept.	56



**COMPLETE SERVICE
 FOR MARINE
 TRANSMISSIONS**

Distributors for:

Warner Gear
DIVISION OF BERG-WARNER CORPORATION
BORG WARNER
Velvet Drive



"The Capitol"

GEARS • SERVICE PARTS • ACCESSORIES

MARINE TRANSMISSION SERVICE
DIVISION OF LESSER INDUSTRIES

2780 Hamilton Blvd.
South Plainfield, N.J. 07080
 (201) 688-0300

LEGISLATION

CCF could bite the dust.....	April	21
Limited entry: a door that often closes too late.....	April	28
Shares system of limited entry gives more options.....	April	30
Court action gives all Alaskans subsistence rights.....	June	11
Limited entry: friend or foe?.....	Aug.	12
The phase-out fracas is heating up.....	Sept.	10
Limited entry has found few friends in Congress.....	Sept.	16
The industry speaks out on limited entry.....	Oct.	19
Limited entry: the debate continues.....	Nov.	52

LOBSTERS

New England seeks to improve lobster management.....	Jan.	9
Florida's spiny lobster fishery still thrives.....	March	18
Trapping crawfish.....	March	20
New Englanders debate lobster-gauge hike.....	May	5
Meet Nova Scotia lobsterman Emmy Doiron.....	Sept.	25
Lobster pot hauler has hydraulic boom.....	Sept.	33
Military testing could spoil '85 Calif. lobster season.....	Nov.	11

MISCELLANEOUS

Taking on the marine insurance monster.....	Jan.	12
Saga of the Amaretto (continues for six issues).....	Jan.	18
North Carolina fishermen demonstrate their clout.....	Jan.	23
Bait-snatching porpoises plague Hawaiians.....	Jan.	61
SBA disaster loans finally granted.....	Jan.	81
Brisk sales at '84 Fish Expo.....	Jan.	52
Navy's test projects worry watermen.....	Feb.	21
Fulton art gallery does double duty.....	Feb.	22
Submerged Alaska crabber raised from depths.....	Feb.	41
Gloucester co-op aims to ease insurance burden.....	March	4
In California, Vietnamese fishermen persevere.....	March	9
Fisheries patrol on the cutter Higgon.....	April	2
Going astray in a Grand Banks fog.....	YB	70
1984 East Coast landings down, competition up.....	YB	4
Chesapeake Bay: croaker was a bright spot.....	YB	6
Alaska and West Coast landings ran the gamut in '84.....	YB	8
The South may rise again, but fish prices didn't.....	YB	14
Luie Fass reflects on ill-fated Holland enterprise.....	YB	69
The fisheries of Puget Sound.....	May	29
New England gillnetters confront anglers.....	May	37
Prosecution faces tough case in Investor murders.....	June	20
Insurance crunch hits Texas shrimpers.....	July	16
Pushing quality in Portland, Maine.....	Aug.	8
Life as a foreign fisheries observer.....	Aug.	11
Gulf-based sport coalition expands.....	Sept.	8
Fishermen, developers battle for the waterfront.....	Oct.	2
Bypassing the middleman boosts fishermen's profits.....	Oct.	22
The New Bedford fishermen's union.....	Nov.	8
Tending buoys with the Coast Guard.....	Nov.	30
Death of the Isadore.....	Nov.	37
Rimmon Fay: chasing fish for science.....	Nov.	141
Scuttled trawler's owner to sue the Canadian navy.....	Dec.	5
West Coast lawmakers join in alliance.....	Dec.	15
New Bedford: the struggle to stay No. 1.....	Dec.	20

PEOPLE

Chris Howard, the Gulf Coast's fastest filleter.....	March	22
Sara Hammond, a world-class oyster shucker.....	March	23
NMFS honors Heber Bell.....	March	27
John Linehan and Warren Rathjen retire from NMFS.....	July	51
Noted fisherman Sig Jaeger dies.....	Aug.	49
URI net expert Hillier to leave teaching.....	Aug.	72
NF Highliners: Rudy Petersen, Mike McCorkle, Oscar Dyson.....	Nov.	98
Special award goes to Kodiak weather lady Peggy Dyson.....	Nov.	100

POLLUTION/ENVIRONMENT

Oil spill, test drilling worry Calif. fishermen.....	Feb.	41
Door remains open for ocean dumping of radioactive subs.....	Feb.	51
Molybdenum mine threat looms over salmon fishermen.....	Feb.	81
Constant destruction of wetlands threatens fisheries.....	April	14
'Dead water' menaces Chesapeake Bay.....	April	17
Toxic runoff threatens the San Joaquin.....	April	11
Watermen brace themselves to fight the good fight.....	May	18
Will acid rain take the rap for Chesapeake's decline?.....	May	21
Epidemic of fish ulcers worries biologists.....	July	11
Are seismic oil searches hurting fishermen?.....	Aug.	18
Oil companies couldn't cope with San Francisco spill.....	Oct.	12

Hansen Marine Engineering, Inc.

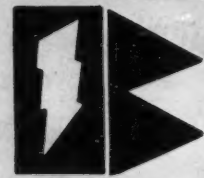
The New England
Master Distributor for:

aquadrive



617-631-3282
Outside Mass.
1-800-343-0480

HANSEN MARINE ENGINEERING, INC.
Marblehead Business Park, Tiggs Way
Marblehead, Mass 01945



**Beck
Electric Supply**

San Francisco: (415) 652-5665
Seattle: (206) 763-2011

COMPLETE ELECTRICAL STORES FOR:

- Merchant Fleet
- Towboat Industry
- Commercial Fish Fleet
- Government Vessels
- Shipyards

Ranger CLIPPER

**A NEW GENERATION
of fishermen's
foul weather gear**

NOW, CLIPPER foul weather gear offers fishermen both high strength and moisture absorption, in one durable suit. Flexible Polyester backing not only resists tears and punctures, it stretches when you move, providing exceptional working comfort. Acrylic coated PVC exterior assures long life with unsurpassed resistance to marine and fish oils. Ranger CLIPPER, designed to meet the demands of today's fisherman... Ask for it at leading marine suppliers.



RANPRO Inc.

Box 430, Simcoe, Ontario N3Y 4L6
Phone (519) 426-1094 Telex 061-61155

Distributorships available in selected areas.

IMPORTANT NOTICE TO SUBSCRIBERS

MOVING?

MAIL TO: National Fisherman, Subscription
Service Department, P.O. Box 929,
Farmingdale, New York 11737

Let us know your new address by filling out
the form below.

WE NEED 8 WEEKS ADVANCE NOTICE!

Canadian Subscribers — Please Include Zip Code

YOUR OLD ADDRESS
Attach label from recent issue here

NAME _____
STREET _____
CITY _____ STATE _____ ZIP _____

YOUR NEW ADDRESS
Please print or type

NAME _____
STREET _____
CITY _____ STATE _____ ZIP _____

YB/86

Showdown over water in Texas.....	Nov.	44
Delaware River and Bay: from cesspool to spawning ground.....	Nov.	46
Algal invasion wallops L.I. scallopers.....	Dec.	2

PROCESSING

AFDF surimi project selects new processor.....	Jan.	7†
Surimi development jogs ahead.....	Feb.	1†
Raffield Fisheries to rebuild after fire.....	April	74
Surimi made in U.S.A. could be fishing's next boom.....	May	8
Getting U.S. surimi plants off the ground.....	June	10
U.S. catching/processing puts foreigners on shaky ground.....	July	4
New wave of domestic factory ships wants to play ball.....	July	5
Gloucester's gurry crisis.....	July	8
Mechanical sorters ease grading fish at sea.....	Oct.	25

SAFETY/SURVIVAL

Prevention is the best weapon against shipboard fire.....	Jan.	24
Stability alarm aids seamanship.....	Jan.	51
Seattle conference addresses fishing industry safety.....	Feb.	19
MAREP needs greater public support.....	March	3
Mandatory EPIRBs and licensing creep closer.....	Oct.	11



A POWERFUL DIFFERENCE.

Your electronics are only as good as your power source.

That's why you need reliable power supplies and converters, dependable battery chargers, and proven power inverters.

That's why you need NEWMAR. NEWMAR's power products are built to withstand the hostile marine environment...to defy moisture and corrosion for years of trouble-free service.

You depend on your electronics for so much. Depend on NEWMAR for a reliable power source.

NEWMAR makes a powerful difference.

NEWMAR

For more information, contact your marine electronics dealer.

NEWMAR, P.O. Box 1306 Newport Beach, CA 92663 (714) 751-0488

SALMON

Initiative 456 drags out Boldt decision.....	Jan.	1†
Negotiators agree on draft of U.S./Canada salmon treaty.....	Feb.	5
Japan's high-seas gillnetting fleet clobbers U.S. salmon.....	March	5
Indian lawsuit worries Alaska, jeopardizes salmon treaty.....	March	13
Teaching salmon survival ABCs could boost returns.....	March	7†
Indian/Alaska pact paves way for treaty approval.....	April	9
Working Bristol Bay.....	YB	42
NW fishermen feel skittish as salmon farming grows.....	YB	45
Set-netting for salmon on the muddy flats of Susitna.....	YB	58
Puget Sound fishermen hang on to a once-thriving fishery.....	YB	64
Johnstone Strait salmon seiners do things differently.....	May	2
Salmon treaty heads for implementation.....	May	16
State prison goes for 'pen'-raised salmon.....	May	1†
Court decision gives all Alaskans subsistence rights.....	June	1†
Treaty sets tone for trollers.....	June	4†
Columbia River gillnetter rides the surf for salmon.....	July	12
Burden of protecting Klamath stock falls to trollers.....	July	1†
Indian fishing sparks ruckus over salmon allocations.....	Oct.	1†
Flying fish in Bristol Bay.....	Nov.	12
Future looks brighter for Columbia River salmon.....	Nov.	39
Of barbecued salmon and ice-cold politics.....	Nov.	6†
Netters battle the Navy in Hood Canal.....	Nov.	13†

SHELLFISH (General)

Horseshoe crab soars from pest to resource.....	Feb.	26
Diving for dollars in Maine's ice-cold waters.....	April	24
Mussel dragging in Maine.....	YB	34
Shell dredging stirs up silt and controversy.....	Nov.	54
Algal invasion wallops L.I. scallopers.....	Dec.	2
Scallop restoration plan is already underway.....	Dec.	3

SHRIMP

FDA looks at shrimp treatment.....	March	26
Plight of Southern shrimpers draws ITC's attention.....	April	22
Foreign mariculture is a dark cloud for U.S. shrimpers.....	YB	30
Lone Star State passes shrimp over to Texas P&W.....	Oct.	10
U.S. shrimpers bail out of shaky deal with Colombian firm.....	Nov.	21
Stronger outriggers make sense for shrimpers.....	Nov.	75

Shipmate. Navigation Made Easy.

The full line of Shipmate electronics is what really makes life easy at sea. Whether you fish commercially or for sport, or simply need to get from one place to another with as little hassle as possible, Shipmate products will make it safer, easier and more convenient.

For pure navigation, the RS-5100 sat nav receiver offers an exceptionally broad range of performance features, including direct interface with the RS-2000 video plotter. And the RS-2000 is a plotter with an extra — real electronic charting for many of the most popular fishing and coastal areas of the U.S.

And there's more with Shipmate. Our RS-8000 fully synthesized and super compact VHF radiotelephone comes complete with handset and extension speaker. Or, the RS-1000 series of sailing instruments provides both analog and digital readout of all the data you need or want to know.

Shipmate. Send for complete information on our complete line. It's free...and it's easy.



ROBERTSON-SHIPMATE INC.

400 Oser Avenue, Hauppauge, NY 11786
Tel. 800-645-3738 or 516-273-3737/Telex RCA 221686



PROBLEMS? COMPLAINTS? ADDRESS CHANGES?

If you're having problems receiving your copies of **NATIONAL FISHERMAN** — or if you have an address change... we want to know about it. Talk with one of our customer service representatives at our new toll-free number.

1-800-227-5782 U.S. & Canada
(N.Y. residents call: 1-800-732-9119)

We can serve you best if the mailing label from your latest copy of **NATIONAL FISHERMAN** is in front of you when you call. If the problem concerns your payment, a cancelled check on hand will let us solve the problem by phone.

CALL BETWEEN 8:45 A.M. and 4:45 P.M.
Eastern time, Monday through Friday in the Continental U.S.

**FOR NEW SUBSCRIPTIONS
CALL: 1-800-341-1522.**

In Maine, Alaska and Hawaii, call collect (207) 236-2896.

